

1. (Amended) A method of heat-drilling holes into ice, comprising the steps of:

- forming a substantially pre-bore hole (9) of small diameter with a ~~meltwash~~ melt-wash drill head;
- positioning a melt-wash drill drill head (1) of larger diameter on the pre-bore hole (9);
- heating water as a heat carrier on the surface of the ice;
- controlled pumping under pressure of the hot water (4) into the ~~rinse-wash~~ melt-wash drill head;
- deflecting the hot water (4) in the range of the melt-wash drill head (1) into a radial plane;
- washing the hot water (4) as a sharp disk-like jet (6) circumferentially radially against the wall of the bore hole (7) whereby the hot water (4) is mixed with the melt water (10) and pressed into the direction of the surface of the ice;
- lowering of the melt-wash drill head (1) for forming a main bore hole (19);

and

- dissipating by seepage or pumping the hot water (4) pressed in the direction of the surface of the ice and mixed with the melt water (10).

Cancel claims 2 - 11 and add the new claims appended hereto.

Remarks

The above amendments seeks not only to eliminate the defects in claims 1 and 6 alleged under 35 C.F.R. 112 but also to correct certain typographical errors in the specification as well as in the claims. No new matter has been added to Applicant's original disclosure as a result of these changes.

As the Examiner has indicated that the instant application would be allowable subject to the required corrections kindly pointed out by him, it is urged that as now amended, the application is in condition for allowance which is courteously solicited.

For the Examiner's convenience, Applicant is enclosing substitute specifications including the above-captioned amendments, with and without